RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____10/522,582_____

Source: _____IFWO_____

Date Processed by STIC: _____07/10/2006_____

ENTERED

RAW SEQUENCE LISTING   DATE: 07/10/2006
PATENT APPLICATION: US/10/522,582   TIME: 09:41:13

Input Set : **A:\Sequence Listing N10038PCT.ST25.txt**
Output Set: **N:\CRF4\07102006\J522582.raw**

```
     3 <110> APPLICANT: NOXXON Pharma AG
     5 <120> TITLE OF INVENTION: Ghrelin binding nucleic acids
     7 <130> FILE REFERENCE: N 10038 PCT
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/522,582
C-->  9 <141> CURRENT FILING DATE: 2005-01-26
     9 <160> NUMBER OF SEQ ID NOS: 125
    11 <170> SOFTWARE: PatentIn version 3.1
    13 <210> SEQ ID NO: 1
    14 <211> LENGTH: 28
    15 <212> TYPE: PRT
    16 <213> ORGANISM: Rattus rattus
    18 <400> SEQUENCE: 1
    20 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Gln Arg Lys
    21 1               5                   10                  15
    24 Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
    25              20                  25
    28 <210> SEQ ID NO: 2
    29 <211> LENGTH: 83
    30 <212> TYPE: RNA
    31 <213> ORGANISM: Artificial Sequence
    33 <220> FEATURE:
    34 <223> OTHER INFORMATION: RNA pool
    36 <220> FEATURE:
    37 <221> NAME/KEY: misc_feature
    38 <222> LOCATION: (22)..(61)
    39 <223> OTHER INFORMATION: nucleotide = a, g, c or u
    42 <400> SEQUENCE: 2
W--> 43 ggagcucaga cuucacucgu gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      60
    45 ncacguacca cugucgguuc cac                                            83
    48 <210> SEQ ID NO: 3
    49 <211> LENGTH: 83
    50 <212> TYPE: RNA
    51 <213> ORGANISM: Artificial Sequence
    53 <220> FEATURE:
    54 <223> OTHER INFORMATION: RNA pool (reverse complementary strand)
    56 <220> FEATURE:
    57 <221> NAME/KEY: misc_feature
    58 <222> LOCATION: (23)..(62)
    59 <223> OTHER INFORMATION: nucleotide = a,g,c or u
    62 <400> SEQUENCE: 3
W--> 63 guggaaccga cagugguacg ugnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      60
    65 nncacgagug aagucugagc ucc                                            83
    68 <210> SEQ ID NO: 4
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 69 <211> LENGTH: 38
 70 <212> TYPE: DNA
 71 <213> ORGANISM: Artificial Sequence
 73 <220> FEATURE:
 74 <223> OTHER INFORMATION: primer
 76 <220> FEATURE:
 77 <221> NAME/KEY: promoter
 78 <222> LOCATION: (1)..(19)
 79 <223> OTHER INFORMATION: T7 promoter
 82 <400> SEQUENCE: 4
 83 tctaatacga ctcactatag gagctcagac ttcactcg                    38
 86 <210> SEQ ID NO: 5
 87 <211> LENGTH: 20
 88 <212> TYPE: DNA
 89 <213> ORGANISM: Artificial Sequence
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: primer
 94 <400> SEQUENCE: 5
 95 gtggaaccga cagtggtacg                                        20
 98 <210> SEQ ID NO: 6
 99 <211> LENGTH: 102
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: DNA pool
106 <220> FEATURE:
107 <221> NAME/KEY: misc_feature
108 <222> LOCATION: (41)..(80)
109 <223> OTHER INFORMATION: nucleotide is a, g, c or t
112 <400> SEQUENCE: 6
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W--> 113 tctaatacga ctcactatag gagctcagac ttcactcgtg nnnnnnnnnn nnnnnnnnnn   60
```
115 nnnnnnnnnn nnnnnnnnnn cacgtaccac tgtcggttcc ac               102
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 82
120 <212> TYPE: RNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
126 <400> SEQUENCE: 7
127 ggagcucaga cuucacucgu gugaggcaau aaaacuuaag uccgaaggua accaauccua    60
129 cacguaccac ugucgguucc ac                                     82
132 <210> SEQ ID NO: 8
133 <211> LENGTH: 47
134 <212> TYPE: RNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
140 <400> SEQUENCE: 8
141 cgugugaggc aauaaaacuu aaguccgaag guaaccaauc cuacacg           47
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Input Set : **A:\Sequence Listing N10038PCT.ST25.txt**
Output Set: **N:\CRF4\07102006\J522582.raw**

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144 <210> SEQ ID NO: 9
145 <211> LENGTH: 82
146 <212> TYPE: RNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
152 <400> SEQUENCE: 9
153 ggagcucaga cuucacucgu gugaggcagu aaaacuuaag uccgaaggua accaauccua    60
155 cacguaccac ugucgguucc ac                                           82
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 47
160 <212> TYPE: RNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
166 <400> SEQUENCE: 10
167 cgugugaggc aguaaaacuu aaguccgaag guaaccaauc cuacacg                 47
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 82
172 <212> TYPE: RNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
178 <400> SEQUENCE: 11
179 ggagcucaga cuucacucgu gugaggcaau aaaacuuaag uccgaaggua accaauccug    60
181 cacguaccac ugucgguucc ac                                           82
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 47
186 <212> TYPE: RNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
192 <400> SEQUENCE: 12
193 cgugugaggc aauaaaacuu aaguccgaag guaaccaauc cugcacg                 47
196 <210> SEQ ID NO: 13
197 <211> LENGTH: 82
198 <212> TYPE: RNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
204 <400> SEQUENCE: 13
205 ggagcucaga cuucacucgu gugaggcaau aaaacauaag uccgaaggua accaauccua    60
207 cacguaccac ugucgguucc ac                                           82
210 <210> SEQ ID NO: 14
211 <211> LENGTH: 47
212 <212> TYPE: RNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
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218 <400> SEQUENCE: 14
219 cgugugaggc aauaaaacau aaguccgaag guaaccaauc cuacacg               47
222 <210> SEQ ID NO: 15
223 <211> LENGTH: 82
224 <212> TYPE: RNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
230 <400> SEQUENCE: 15
231 ggagcucaga cuucacucgu gugaggcaau aaaacguaag uccgaaggua accaauccua  60
233 cacguaccac ugucgguucc ac                                         82
236 <210> SEQ ID NO: 16
237 <211> LENGTH: 47
238 <212> TYPE: RNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
244 <400> SEQUENCE: 16
245 cgugugaggc aauaaaacgu aaguccgaag guaaccaauc cuacacg               47
248 <210> SEQ ID NO: 17
249 <211> LENGTH: 84
250 <212> TYPE: RNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
256 <400> SEQUENCE: 17
257 ggagcucaga cuucacucgu gugaggcaau aaaacuugua aguccgaagg uaaccaaucc  60
259 uacacguacc acugucgguu ccac                                       84
262 <210> SEQ ID NO: 18
263 <211> LENGTH: 49
264 <212> TYPE: RNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
270 <400> SEQUENCE: 18
271 cgugugaggc aauaaaacuu guaaguccga agguaaccaa uccuacacg             49
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 83
276 <212> TYPE: RNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
282 <400> SEQUENCE: 19
283 ggagcucaga cuucacucgu gugaggcaau aaaaacuuaa guccgaaggu aaccaauccu  60
285 acacguacca cugucgguuc cac                                        83
288 <210> SEQ ID NO: 20
289 <211> LENGTH: 48
290 <212> TYPE: RNA
291 <213> ORGANISM: Artificial Sequence
```

```
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
296 <400> SEQUENCE: 20
297 cgugugaggc aauaaaaacu uaaguccgaa gguaaccaau ccuacacg              48
300 <210> SEQ ID NO: 21
301 <211> LENGTH: 85
302 <212> TYPE: RNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
308 <400> SEQUENCE: 21
309 ggagcucaga cuucacucgu gcggugaggc aaaaacguaa gaccgaaggu aaccauccu   60
311 acccacguac cacgucggu uccac                                       85
314 <210> SEQ ID NO: 22
315 <211> LENGTH: 50
316 <212> TYPE: RNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
322 <400> SEQUENCE: 22
323 cgugcgguga ggcaaaaacg uaagaccgaa gguaaccauu ccacccacg             50
326 <210> SEQ ID NO: 23
327 <211> LENGTH: 85
328 <212> TYPE: RNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
334 <400> SEQUENCE: 23
335 ggagcucaga cuucacucgu gugagguagu aaaaaaacgu aaauccgaag guaaccaauc  60
337 cuacacguac cacgucggu uccac                                       85
340 <210> SEQ ID NO: 24
341 <211> LENGTH: 50
342 <212> TYPE: RNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
348 <400> SEQUENCE: 24
349 cgugugaggu aguaaaaaaa cguaaauccg aagguaacca auccuacacg            50
352 <210> SEQ ID NO: 25
353 <211> LENGTH: 88
354 <212> TYPE: RNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Ghrelin-binding nucleic acid
360 <400> SEQUENCE: 25
361 ggagcucaga cuucacucgu gugagguagu aaaaaaaaa cguaaauccg aagguaacca   60
363 auccuacacg uaccacgucg guuccac                                    88
366 <210> SEQ ID NO: 26
367 <211> LENGTH: 53
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41
Seq#:2; N Pos. 42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61
Seq#:3; N Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42
Seq#:3; N Pos. 43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62
Seq#:6; N Pos. 41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60
Seq#:6; N Pos. 61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80

VERIFICATION SUMMARY   DATE: 07/10/2006
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```
L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:63 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
M:341 Repeated in SeqNo=6
```